

## ABBREVIATIONS AND ACRONYMS

ACAMS	Automatic continuous air monitoring system
ACWA	Assembled Chemical Weapons Assessment
ACS	Agent collection system
ADD	Average daily dose
AEGL-1	Level 1 acute inhalation exposure guidelines
AIEC	Acute inhalation exposure criteria
AMC	U.S. Army Materiel Command
ANCDF	Anniston Army Depot Chemical Demilitarization Facility
APCS	Air pollution control system
APG	Aberdeen Proving Ground
AQS	Agent Quantification System
AT	Averaging time
ATEL-1	Level 1 acute toxicity exposure level
ATF/RSF	Auxiliary test facility/residual storage area
ATK	A.T. Kearney
AWFCO	Automatic waste feed cutoff
BaP	Benzo(a)pyrene
BDF	Bulk drain facility
BIF	Boiler and industrial furnace
BLM	Bureau of Land Management
BRA	Brine reduction area
BW	Body weight
CAMDS	Chemical Agent Munitions Disposal System
CAIS	Chemical Agent Identification Set
CARB	California Air Resources Board
CEMS	Continuous emissions monitoring system
CHB	Container handling building
CG	Phosgene
CK	Cyanogen chloride
CN	Chloroactophenone
COPC	Chemical of potential concern
CPF	Cumulative probability density function
CFR	Code of Federal Regulations
CSF	Cancer slope factor
DA	U.S. Department of the Army
DCD	Deseret Chemical Depot
DFS	Deactivation furnace
DM	Adamsite
DoD	U.S. Department of Defense
DoE	U.S. Department of Energy
DOQQ	Digital ortho quarter quad
DPE	Demilitarization protective ensemble

## ABBREVIATIONS AND ACRONYMS (Continued)

dscfm	Dry standard cubic feet per minute
dscms	Dry standard cubic meters per second
DSHW	Division of Solid and Hazardous Waste
DUN	Dunnage incinerator
ECV	Explosive Containment Room Vestibule
ED	Exposure duration
EDC	1,2-dichloroethane
EDL	Estimated detection limit
EG&G	EG&G Defense Materials, Inc.
ERPG-1	Level 1 emergency response planning guidelines
ETF	Equipment test facility
FWMA	Fitzgerald Wildlife Management Area
GA	Dimethylamidoethoxyphosphoryl cyanide
GB	Isopropyl methylphosphonofluoridate (Sarin)
GC	Gas chromatography
gpm	Gallon per minute
g/s	Gram per second
H	Bis(2-chloroethyl) sulfide
HD	Distilled H
HT	Mixture of HD and T
HEAST	Health Effects Assessment Summary Tables
HEPA	High efficiency particulate air
HHRA	Human health risk assessment
HF	Hydrogen fluoride
Hg <sup>0</sup>	Elemental mercury
Hg <sup>+2</sup>	Divalent mercury
HgCl <sub>2</sub>	Mercuric chloride
HI	Total hazard for a specific exposure pathway
HN-1	Bis(2-chloroethyl)ethylamine
HN-3	Tri(2-chloroethyl)amine
HQ	Hazard quotient
HVAC	Heating, ventilation, and air conditioning
IEUBK	Integrated Exposure Uptake Biokinetic
IR	Ingestion Rate
IRAP- <i>h</i>	Industrial Risk Assessment Program-Health
IRIS	Integrated Risk Information System
ISCST3	Industrial Source Complex Short Term model
JACADS	Johnston Atoll Chemical Agent Disposal System
kg	Kilogram

## ABBREVIATIONS AND ACRONYMS (Continued)

L	Lewisite
LADD	Lifetime average daily dose
Lakes	Lakes Environmental Software, Inc.
lb/hr	Pound per hour
LIC	Liquid incinerator
LOAEL	Lowest observed adverse effect level
LULC	Land use land cover
m <sup>3</sup>	Cubic meter
m <sup>3</sup> /sec	Cubic meter per second
MACT	Maximum achievable control technology
MDB	Munitions demilitarization building
MDF	Multi-purpose demilitarization facility
MDL	Method detection limit
MEK	2-butanone (methyl ethyl ketone)
mg/COPC/day	Milligram per COPC per day
mg COPC/kg FW tissue	Milligram COPC per kilogram of fresh weight tissue
mg/kg	Milligram per kilogram
mg/kg-day	Milligram per kilogram-day
mg/m <sup>3</sup>	Milligram per cubic meter
µg/dL	Microgram per deciliter
µg/m <sup>3</sup>	Microgram per cubic meter
MHA	Munitions holding area
MPF	Metal parts furnace
MRI	Midwest Research Institute
MTF	Material treatment facility
NCDC	National Climatic Data Center
NOAEL	No observed adverse effect level
NRC	National Research Council
NTP	National Toxicology Program
ONC	On-site container
OSHA	Occupational Safety and Health Administration
PAH	Polycyclic aromatic hydrocarbon
PAS	Pollution abatement system
PCB	Polychlorinated biphenyl
PCC	Primary combustion chamber
PCDD	Polychlorinated dibenzo(p)dioxins
PCDF	Polychlorinated dibenzofurans
PCE	Tetrachloroethene
PCNB	Pentachloronitrobenzene
PCRAMMET	Personal computer version of the meteorological preprocessor for the old RAM program

## ABBREVIATIONS AND ACRONYMS (Continued)

PDARS	Process Data Acquisition and Recording System
PDF	Probability density function
pg	Picogram
pg/kg/day	Picogram per kilogram per day
PIC	Products of incomplete combustion
PLC	Programmable Logic Controllers
PQL	Practical quantitation limit
PS	Chloropicrin in chloroform
PU	Polyurethane
PUB	Process utilities building
Q	COPC emission rate
RCRA	Resource Conservation and Recovery Act
RD&D	Research, development, and demonstration
RDL	Reliable detection limit
RfC	Reference concentration
RfD	Reference dose
RPF	Relative potency factor
RRS	Rapid Response System
RSA	Residual storage area
SAMSON	Solar and Meteorological Surface Observation Network
SBCCOM	U.S. Army Soldiers and Biological Chemical Command
SCAPA	Subcommittee on Consequence Assessment and Protective Actions
SCC	Secondary combustion chamber
SCRAM	Support Center for Regulatory Air Models
SDS	Spent decontamination system
SEG/ECC	Segregator/explosive containment cubicle
SGV	Stack gas volume
SGF	Stack gas flow rate
SLC	Salt Lake City International Airport
SQL	Sample quantitation limit
SVOC	Semi-volatile organic compound
T	Bis-2-(chloroethylthioethyl)ether
TCA	1,1,1-Trichloroethane
TCDD	2,3,7,8-Tetrachlorodibenzo(p)dioxin
TCDD TEQ	2,3,7,8-TCDD toxic equivalents
TCE	Trichloroethene
TDA	Toluenediamine
TDI	Toluene diisocyanate
TEAD	Tooele Army Depot
TEF	Toxicity equivalents factor
TEEL	Temporary Emergency Exposure Limits
TEQ	Toxic equivalents

## ABBREVIATIONS AND ACRONYMS (Continued)

TEQ/kg/day	Toxicity equivalents per kilogram per day
Tetra Tech	Tetra Tech EM Inc.
TIC	Tentatively identified compound
TMA	Toxic maintenance area
TMF	Toxic maintenance facility
TOC	Total organic carbon
TOE	Total organic emissions
TOCDF	Tooele Chemical Agent Disposal Facility
TRC	TRC Environmental Corporation
UAC	Utah Administrative Code
UCL	Upper confidence limit
UDEQ	Utah Department of Environmental Quality
UPA	Unpack Area
UPMC	Upstairs Munitions Corridor
URF	Unit risk factor
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
U.S. EPA	U.S. Environmental Protection Agency
USGS	United States Geological Survey
USLE	Universal soil loss equation
UTM	Universal Transverse Mercator
VOC	Volatile organic compound
VX	O-ethyl-S-[2-diisopropylaminoethyl] methylphosphonothiolate